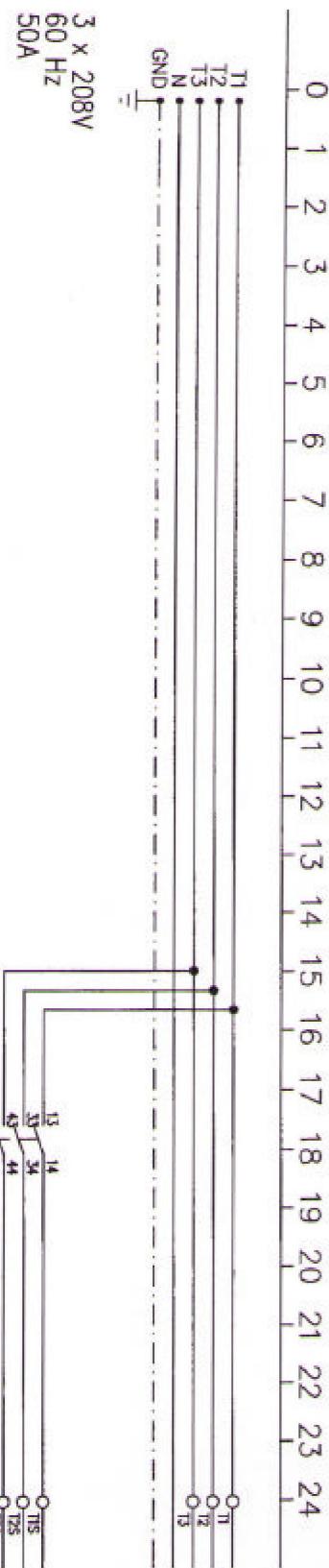


Manual Load Cartwisher CS721

Manual Cartwisher CS721-3

Sept. 20 2006

Miami, Florida



TSX3MZ12ADTK	
Module 1	16l A0
	120 B0
Module 2	32l A0,A1
	320 B0,B1

TSXDMZ6ADTK

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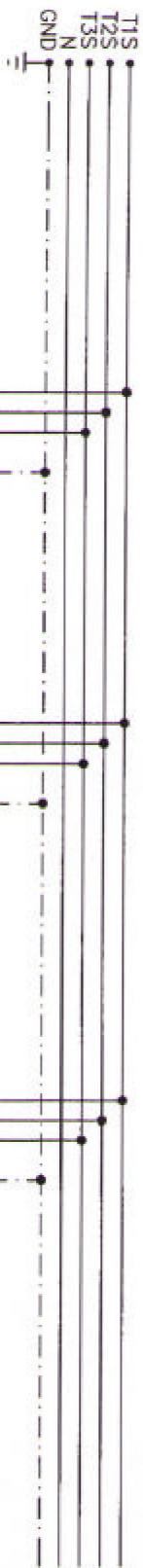
INC. Miami, FL

CS721
0 UNITS
Manual Load Cartwisher

Electric Diagram 1.01

PAGE 1 of 10

25 26 27 28 29 30 21 22 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49



601
32A Motor
Starter

607
22A Motor
Starter

701
2A Motor
Starter

51K5

51K4

52K1
UP
DOWN

X1
0123
000
PE

X1
0456
000
PE

X1
0789
000
PE

M6M1

M6M1

M7M1

Circulation pump
8.6kW 208V 23.9A 5mm
Motor protection switch 32A

Return Pump
5.0kW 208V 21A 2.5mm
Motor protection switch 32A

Host Motor
0.26kW 208V 1.77A

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Miami, FL

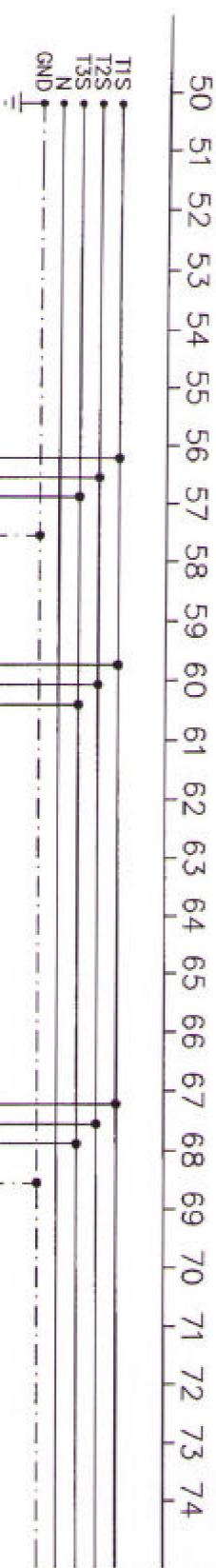
CS721

0 UNITS

Electric Diagram 1.01

2-8-2006

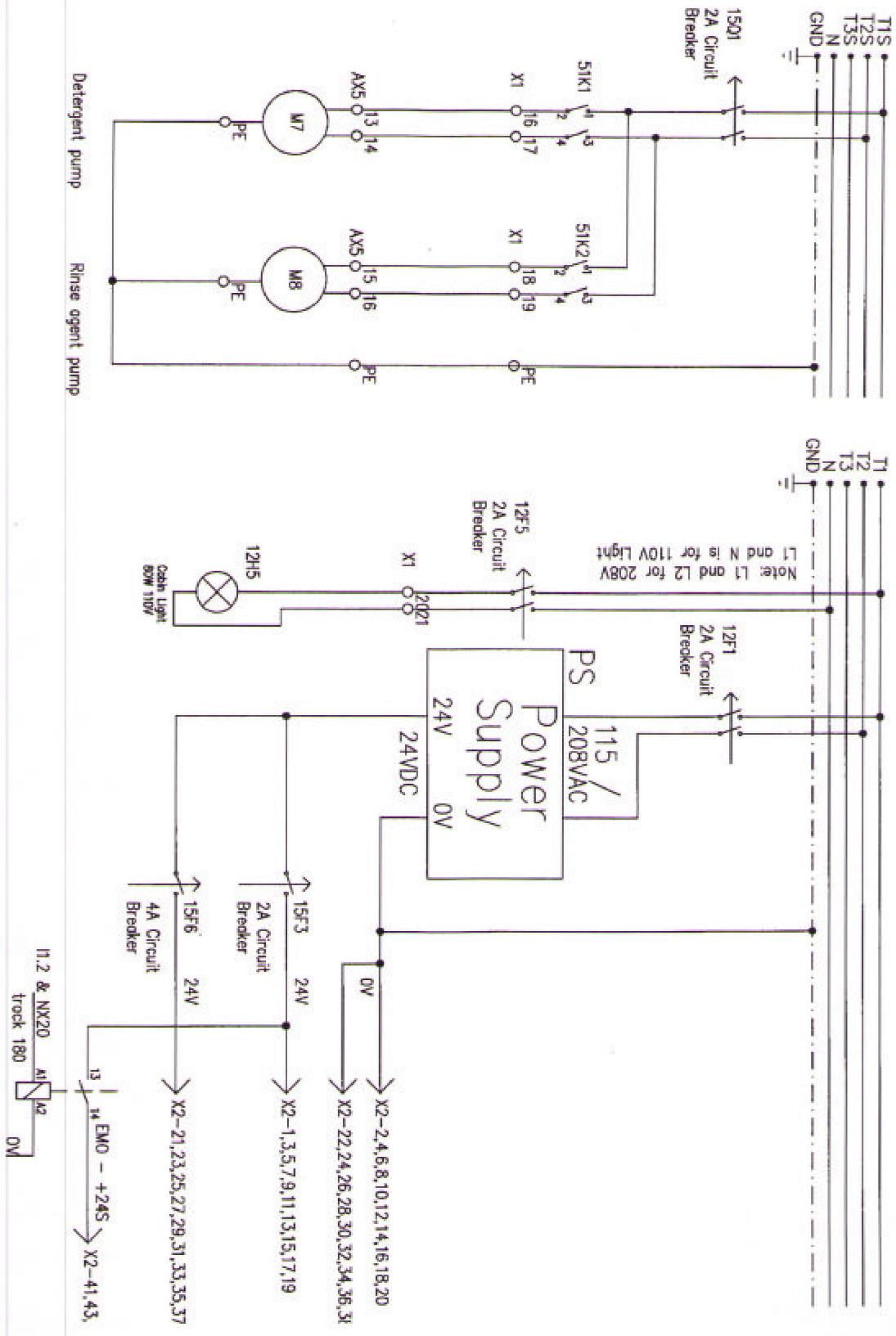
PAGE 2 of 10



Ventilator Fan - High
1.2kW 208V 6.50A
Low
0.35kW 208V 1.38A
Dryer Fan
1.2kW 208V 6A

BellMed INC. Miami, FL C5721 0 UNITS Electric Diagram 1.01 2-8-2006 PAGE 3 of 10

75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99



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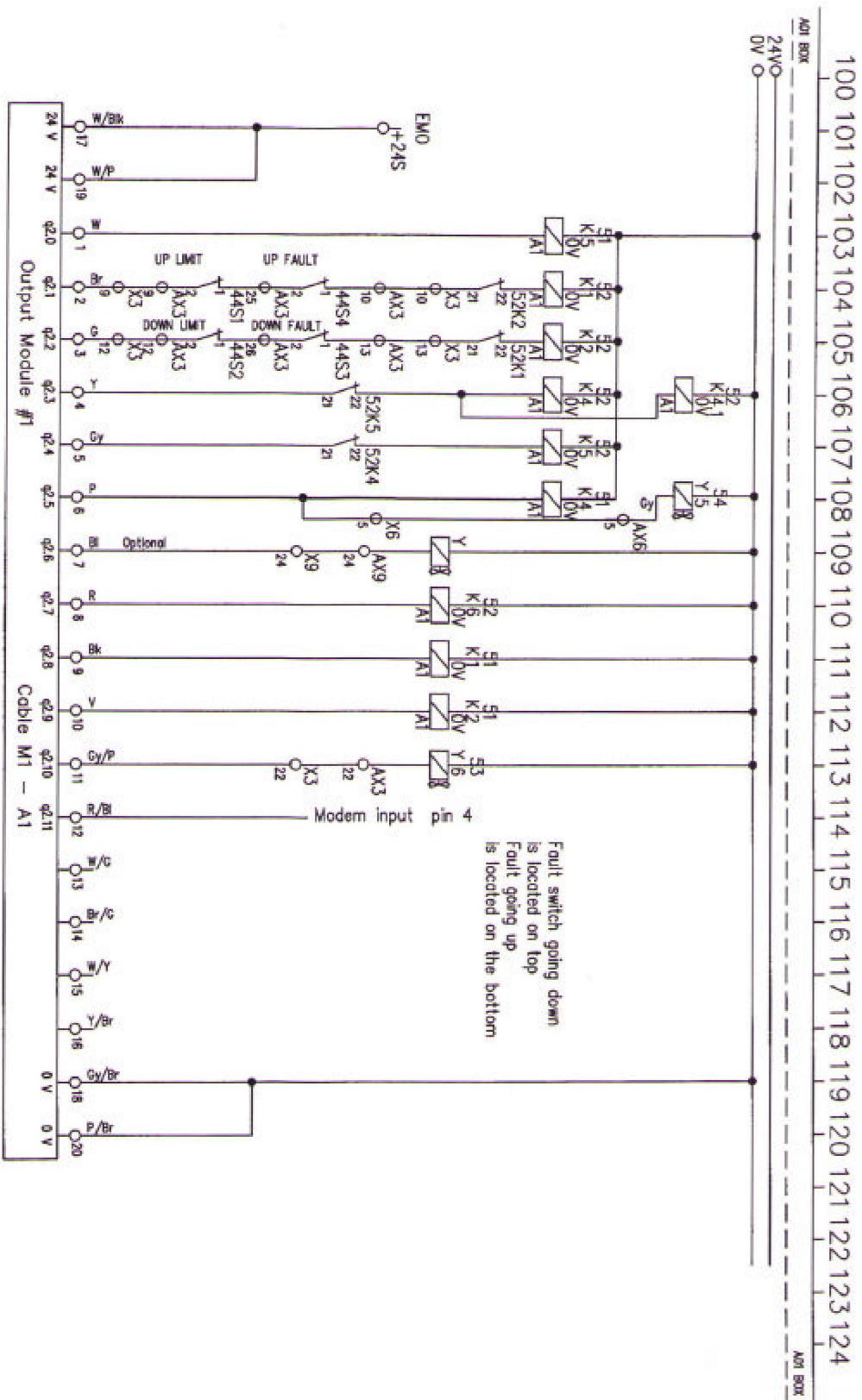
INC. Miami, FL

CS721
Manual Load Cartwisher

0 UNITS
Electric Diagram 1.01

2-8-2006

PAGE 4 of 10



Fault switch going down
is located on top
Fault going up
is located on the bottom

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INC. Miami, FL CS721 0 UNITS
Manual Load Cartwasher

Electric Diagram 1.01

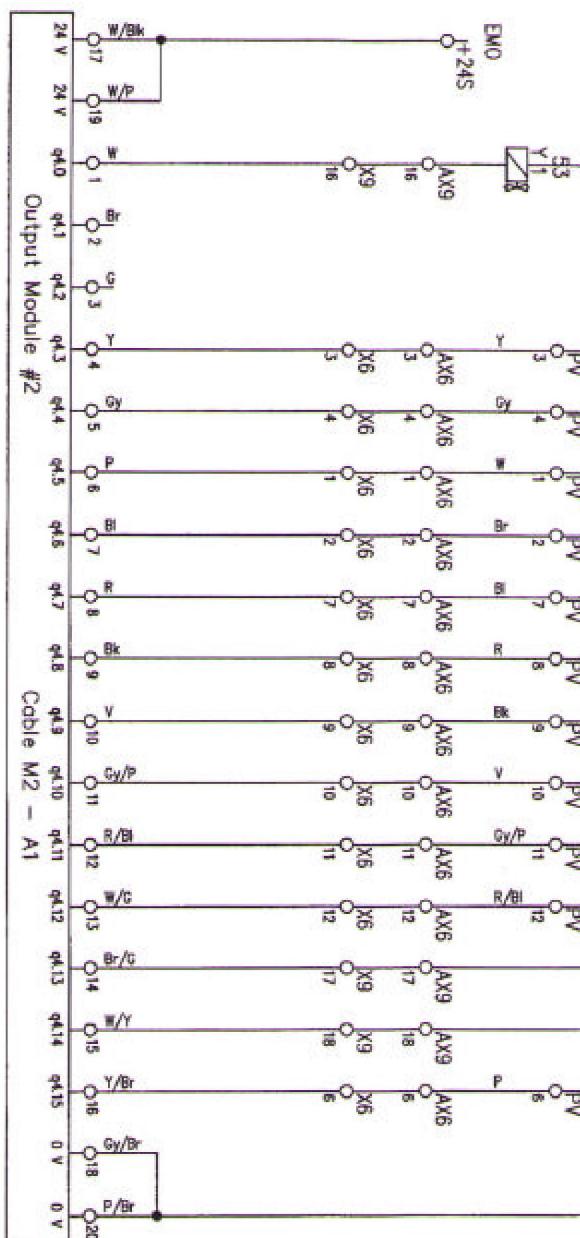
2-8-2006 PAGE 5 of 10

125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149

24VDC
0V

Pilot valves - Left bank.

55Y4
55Y3
55Y2
55Y1
54Y8
54Y7
54Y6
54Y5
54Y4
54Y3
54Y2
54Y1



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0 UNITS

Manual Load Carwasher

Electric Diagram 1.01

2-8-2006

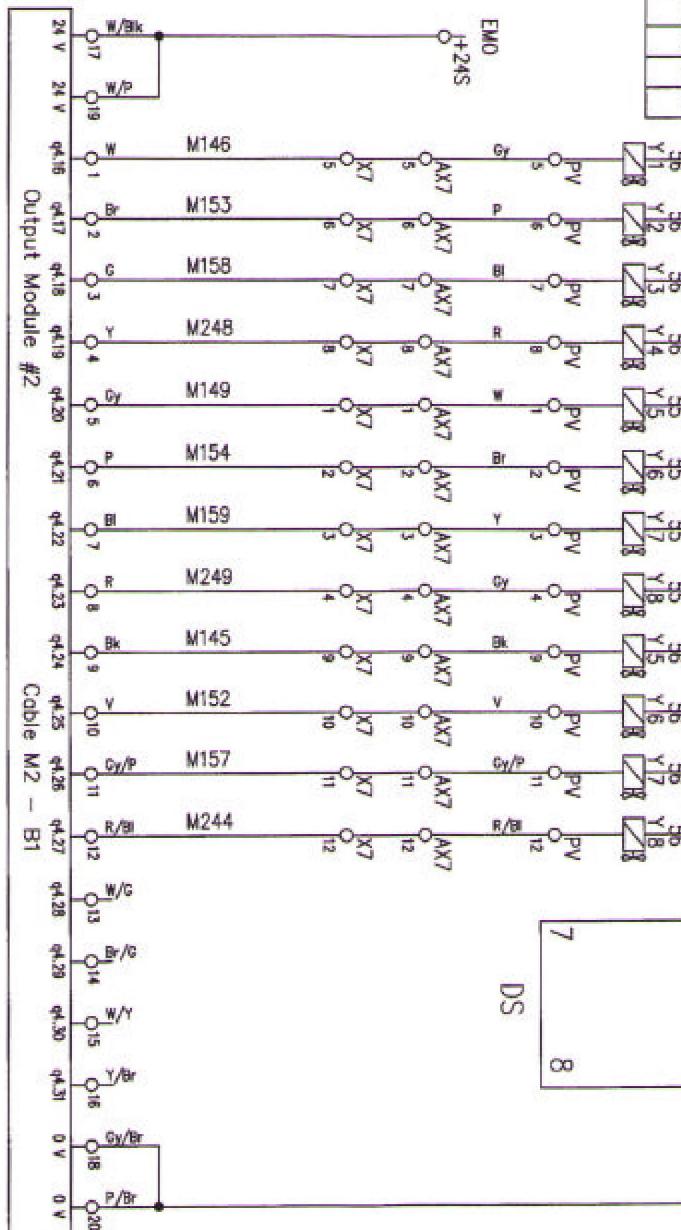
PAGE 6 of 10

150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174

24VDC
DN
Pilot valves - Right bank

56Y8
56Y7
56Y6
56Y5
56Y4
56Y3
56Y2
56Y1
55Y8
55Y7
55Y6
55Y5

10
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9
7
DS
8



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INC. Miami, FL

GS721

0 UNITS

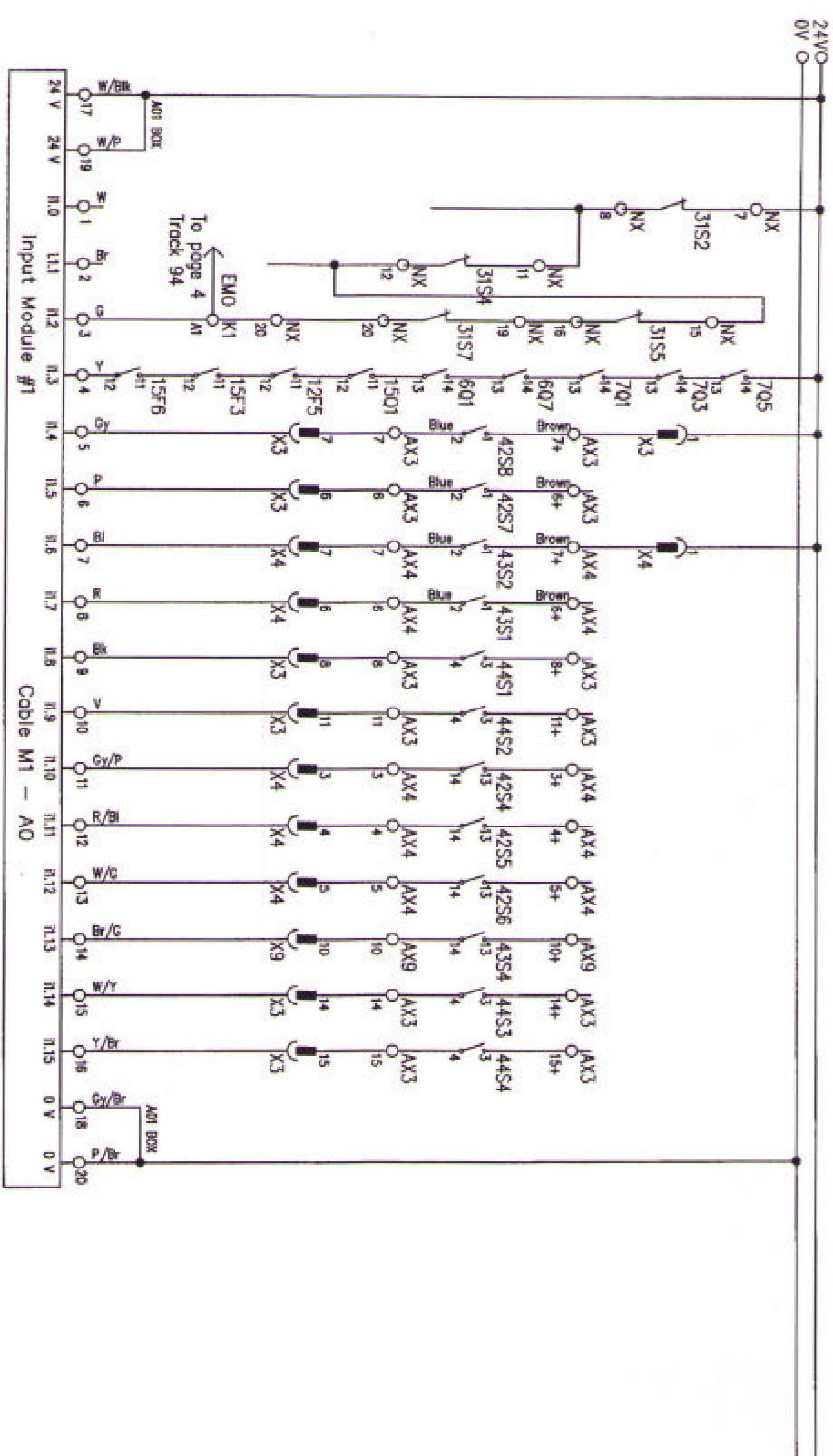
Manual Load Cartwasher

Electric Diagram 1.01

2-8-2006

PAGE 7 of 10

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INC. Miami, FL

CS721
Manual Load Cartwasher

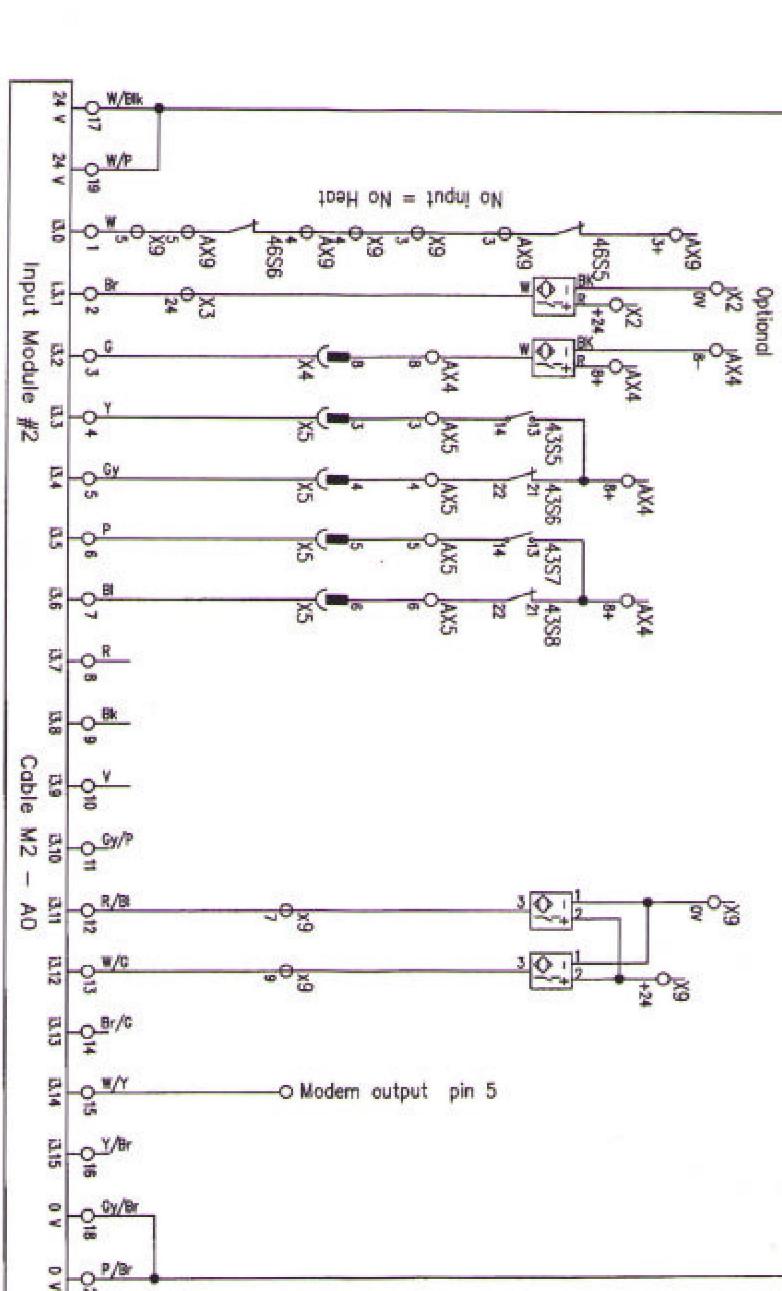
0 UNITS

Electric Diagram 1.01

2-8-2006

PAGE 8 of 10

200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224



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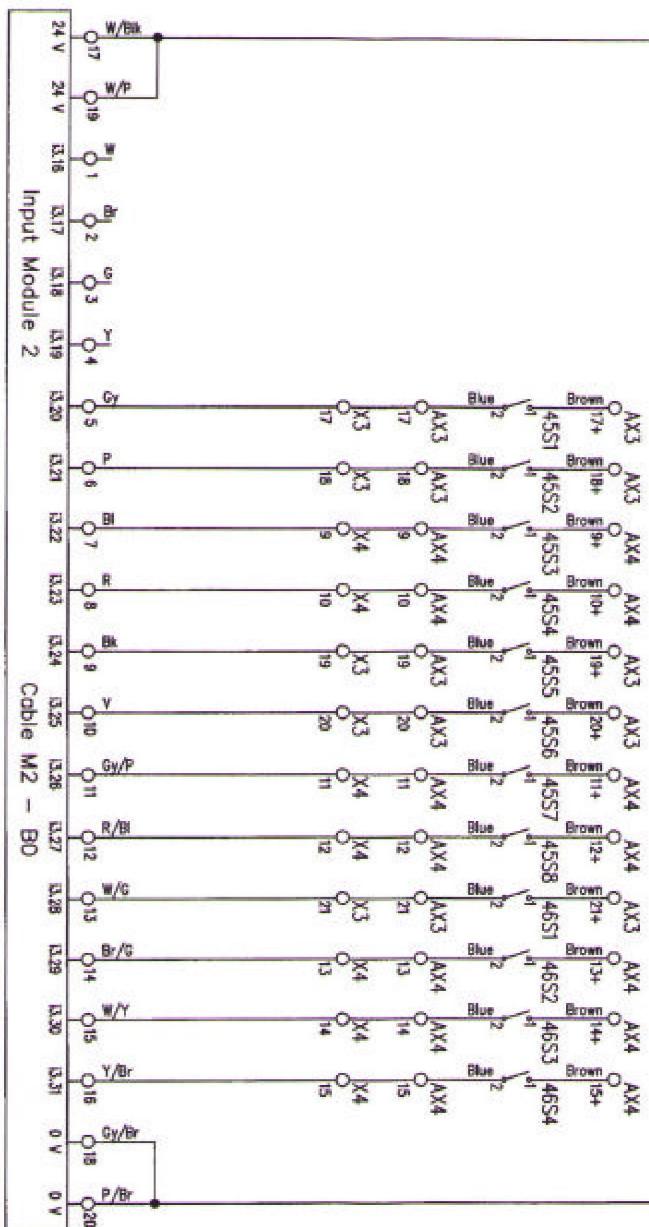
CS721
Manual Load Cartwasher

0 UNITS
Electric Diagram 1.01

2-8-2006 PAGE 9 of 10

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24V
0V



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0 UNITS

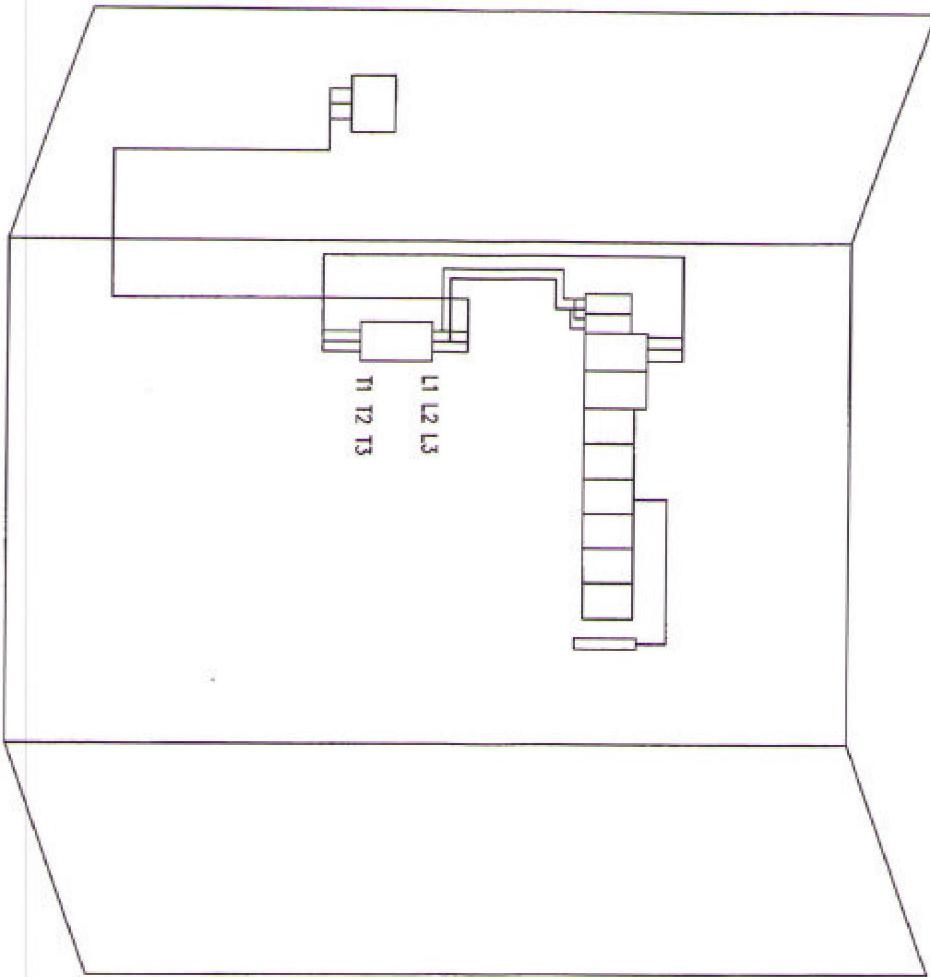
Manual Load Cartwasher

Electric Diagram 1.01

2-8-2006

PAGE 10 of 10

250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274



Move metering pump power
from 12F1 to 15Q1

Move power supply power
from 15Q1 to 12F1

Remove power input from the
right side of 12F5 and discard

Remove output wire from the
right side of 12F5 – Replace wire
with a white wire and reroute to "N"
It should now go from X1-24 to N

=====
Power routing

3 Wires

From power switch to top side of K-EMO (L1,2&3)

3 Wires

From bottom side of K-EMO to 601 (T1,2&3)

2 Wires

From 12F1 to top side of K-EMO (L1&3)

1 Wire

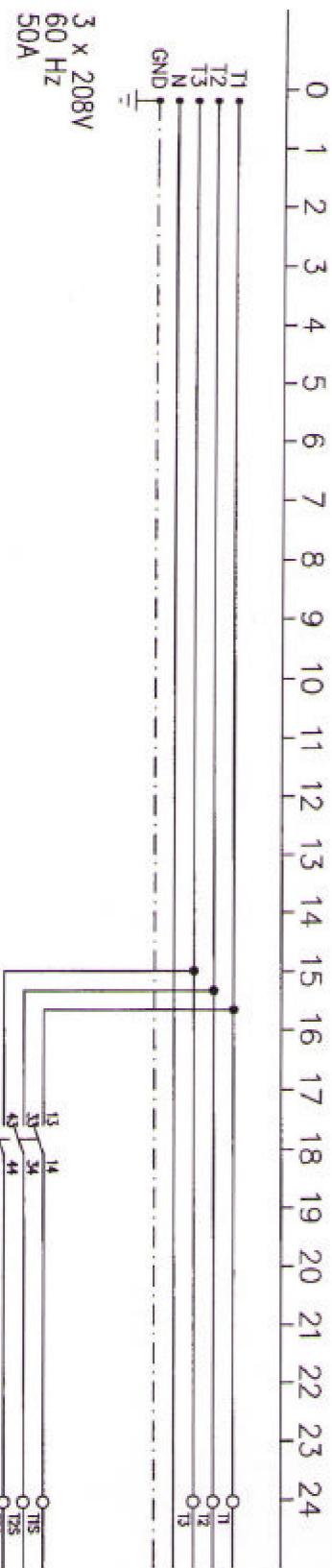
From 12F5 to top side of K-EMO (L2)

Manual Load Cartwisher CS721

Manual Cartwisher CS721-3

Sept. 20 2006

Miami, Florida



TSX3721			
Module 1	16l	A0	TSXDMZL12ADTK
	120	B0	
Module 2	32l	A0,A1	TSXDMZ6ADTK
	320	B0,B1	

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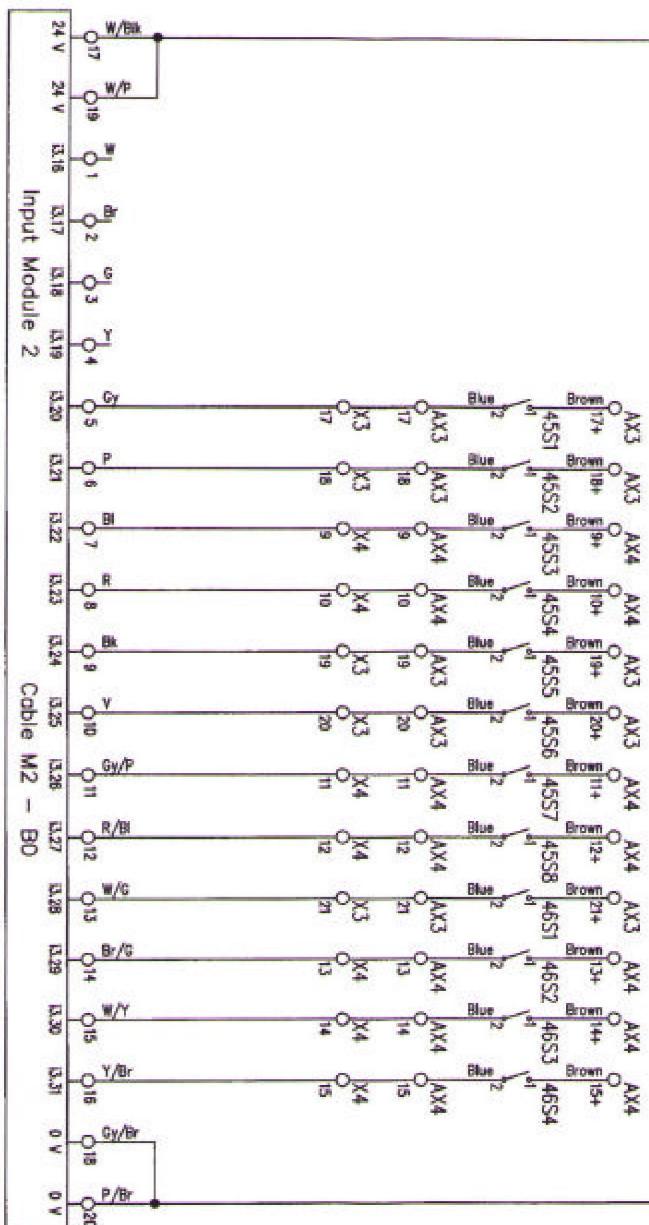
CS721
0 UNITS
Manual Load Cartwisher

Electric Diagram 1.01

PAGE 1 of 10

225226227228229230231232233234235236237238239240241242243244245246247248249

24VO



- Lift Cylinder 7
Down Position
- Lift Cylinder 8
Down Position
- Lift Cylinder 9
Down Position
- Lift Cylinder 10
Down Position
- Lift Cylinder 7
Load Position
- Lift Cylinder 8
Load Position
- Lift Cylinder 9
Load Position
- Lift Cylinder 10
Load Position
- Lift Cylinder 7
Diagonal Position
- Lift Cylinder 8
Diagonal Position
- Lift Cylinder 9
Diagonal Position
- Lift Cylinder 10
Diagonal Position

Belimed

INC., Miami, FL

CS721
Manual

Load Cart

0 UNITS
twasher

Electric D

Diagram 1.0

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2-8

- 2006

PAGE 10

of 10

CS721
Manual

Load Cart

0 UNITS
twasher

Electric D

Diagram 1.

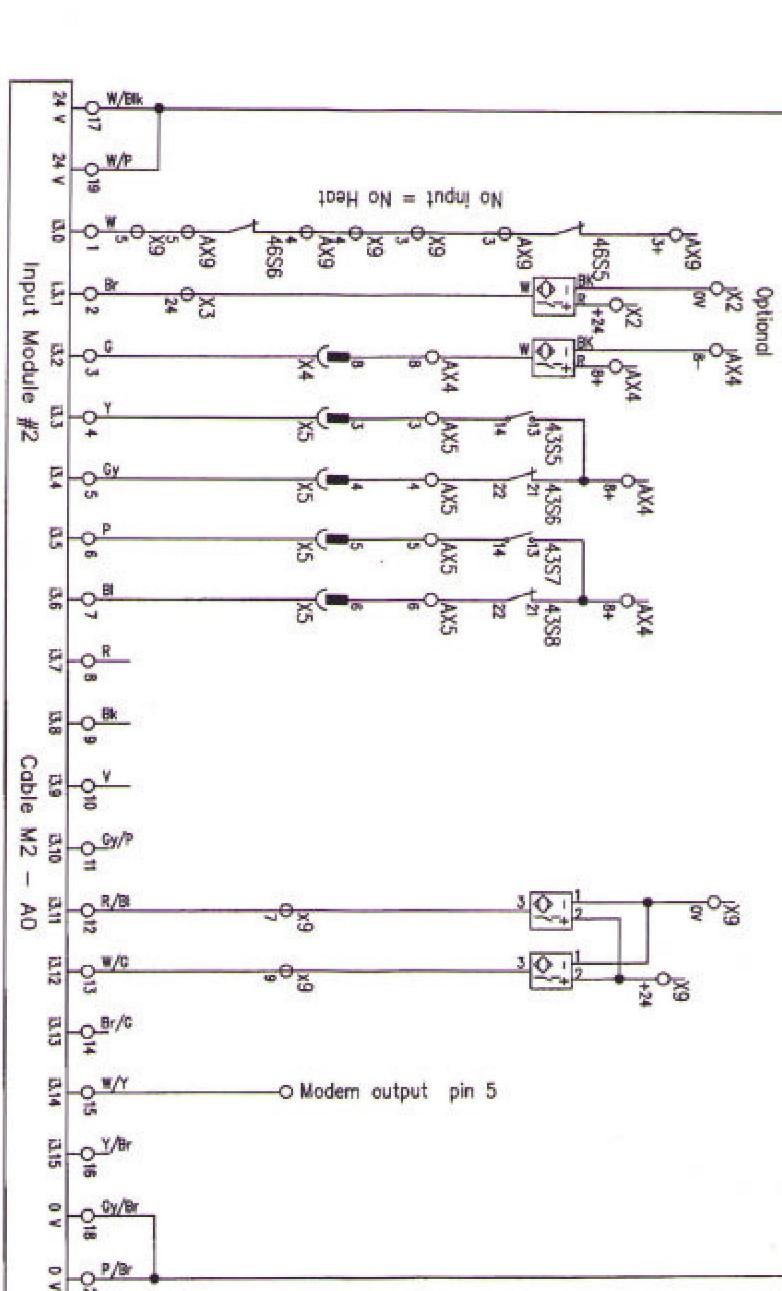
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PAGE 10

of 10

200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224



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INC. Miami, FL CS721 Manual Load Cartwasher

Electric Diagram 1.01 | 2-8-2006

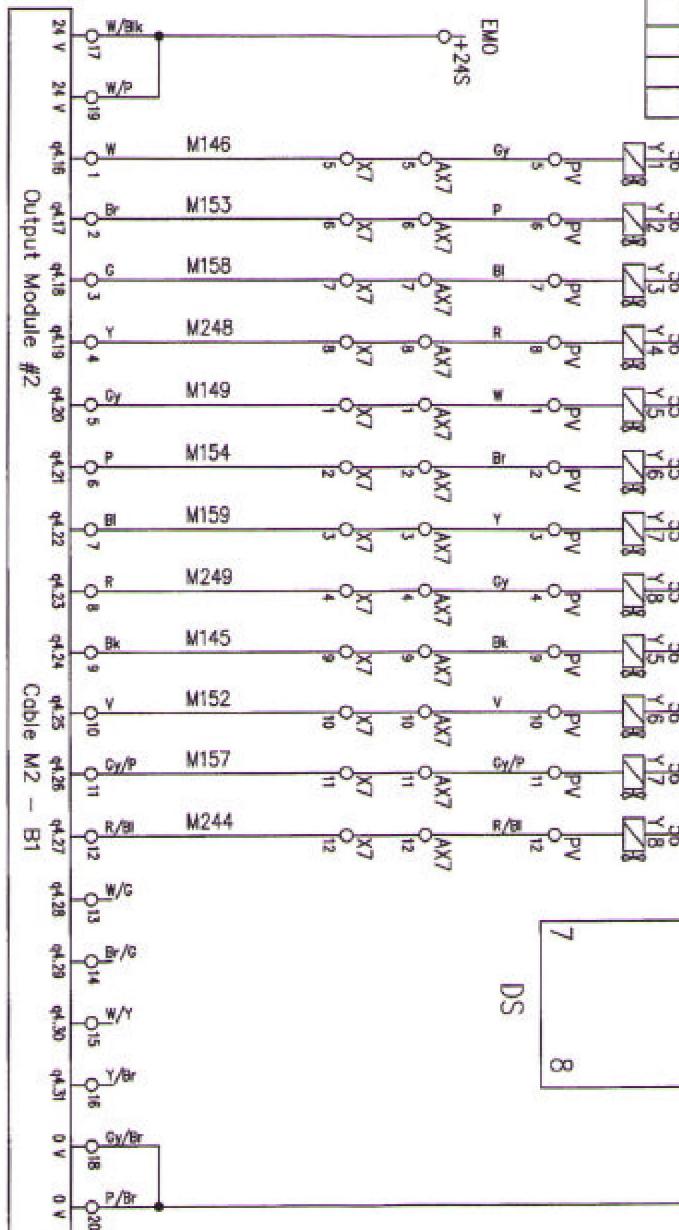
PAGE 9 of 10

150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174

24VDC
DN
Pilot valves - Right bank

56Y8
56Y7
56Y6
56Y5
56Y4
56Y3
56Y2
56Y1
55Y8
55Y7
55Y6
55Y5

10
CS
9
7
DS
8



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GS721
0 UNITS
Manual Load Cartwisher

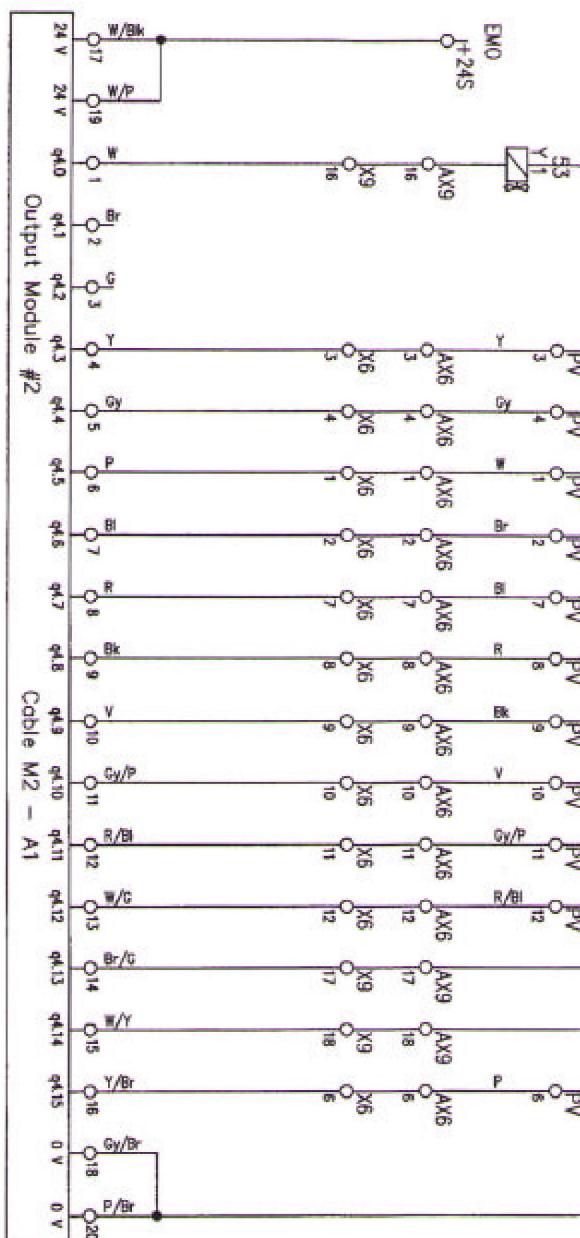
Electric Diagram 1.01
2-8-2006
PAGE 7 of 10

125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149

24VDC
0V

Pilot valves - Left bank.

55Y4
55Y3
55Y2
55Y1
54Y8
54Y7
54Y6
54Y5
54Y4
54Y3
54Y2
54Y1



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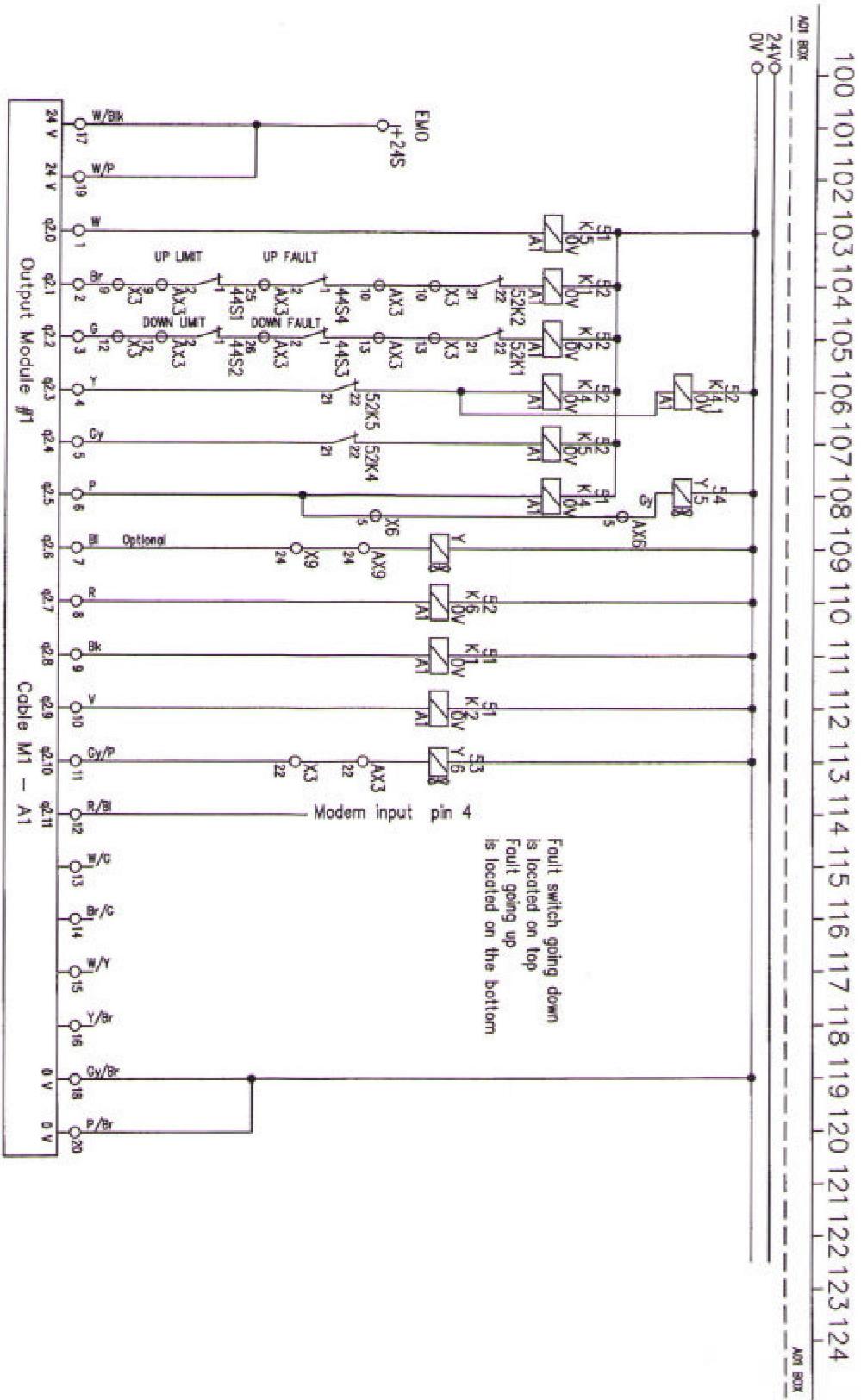
INC. Miami, FL

CS21

0 UNITS

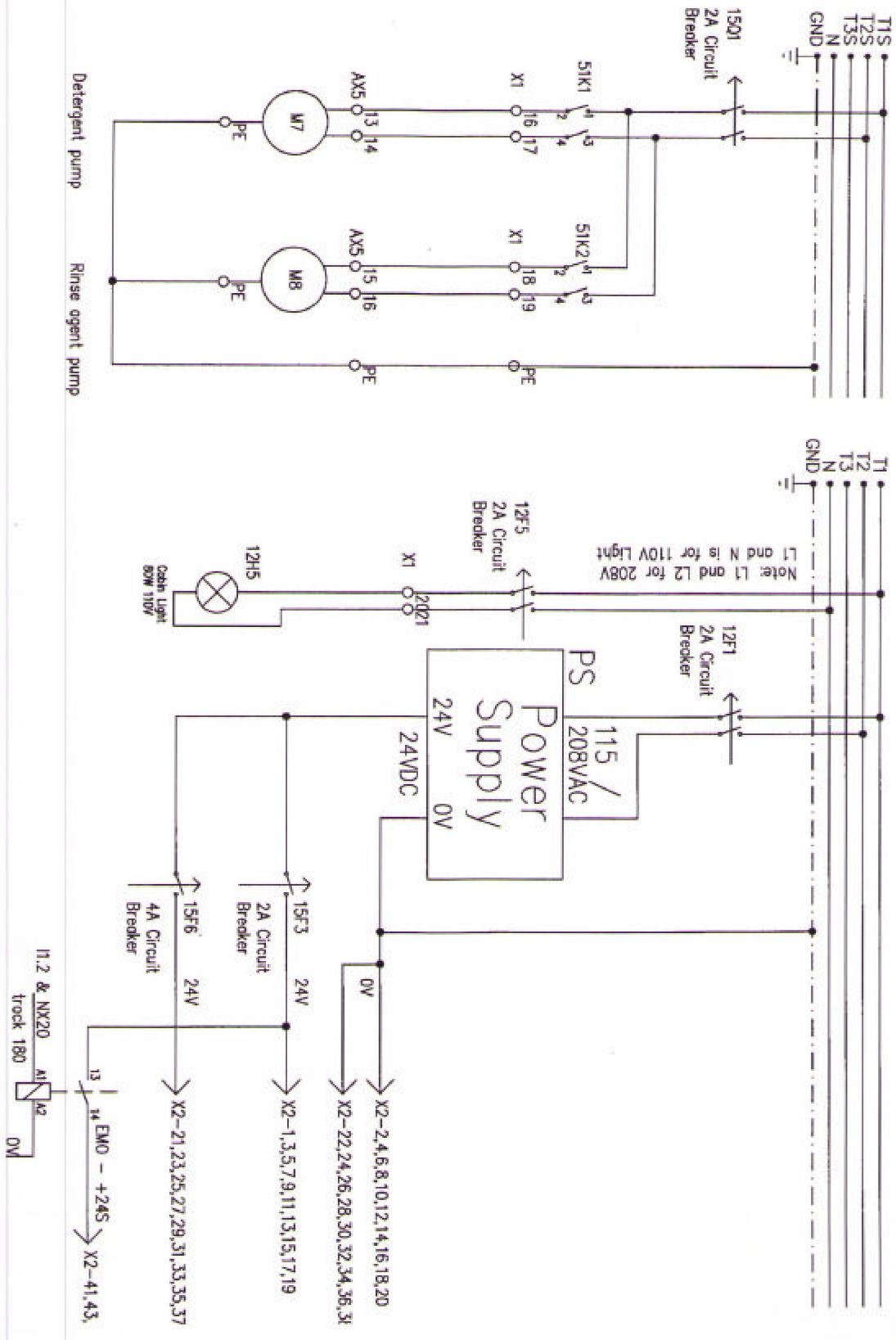
Manual Load Carwasher

Electric Diagram 1.01
2-8-2006
PAGE 6 of 10



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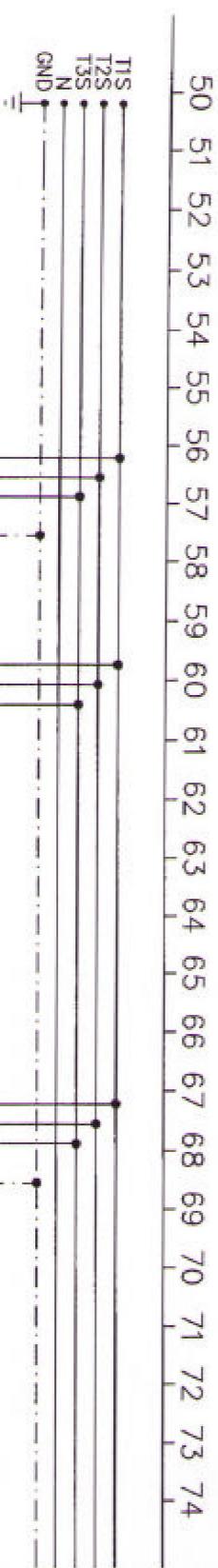
INC. Miami, FL

CS721
Manual Load Cartwisher

0 UNITS
Electric Diagram 1.01

2-8-2006

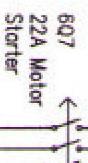
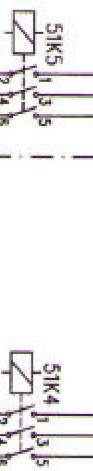
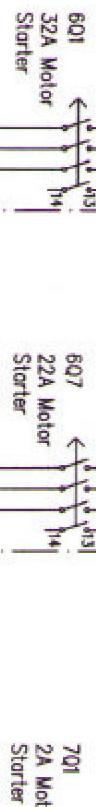
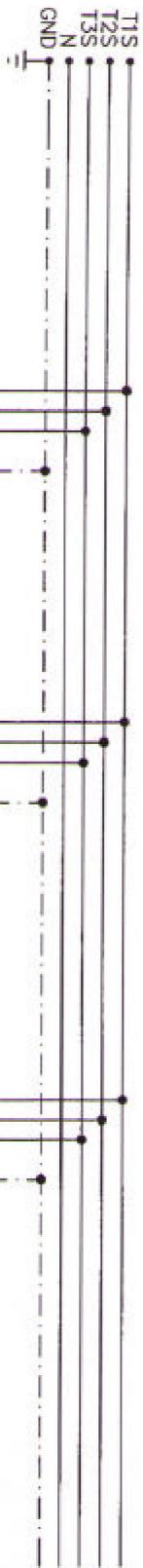
PAGE 4 of 10



Ventilator Fan - High
1.2kW 208V 6.50A
Low
0.35kW 208V 1.38A
Dryer Fan
1.2kW 208V 6A

BellMed INC. Miami, FL C5721 0 UNITS Electric Diagram 1.01 2-8-2006 PAGE 3 of 10

25 26 27 28 29 30 21 22 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49



X1
0123
PE

X1
0456
PE

X1
0789
PE

M6M1

M6M1

M7M1

Circulation pump
8.6kW 208V 23.9A 5mm
Motor protection switch 32A

Return Pump
5.0kW 208V 21A 2.5mm
Motor protection switch 32A

Host Motor
0.26kW 208V 1.77A

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Miami, FL

CS721

0 UNITS

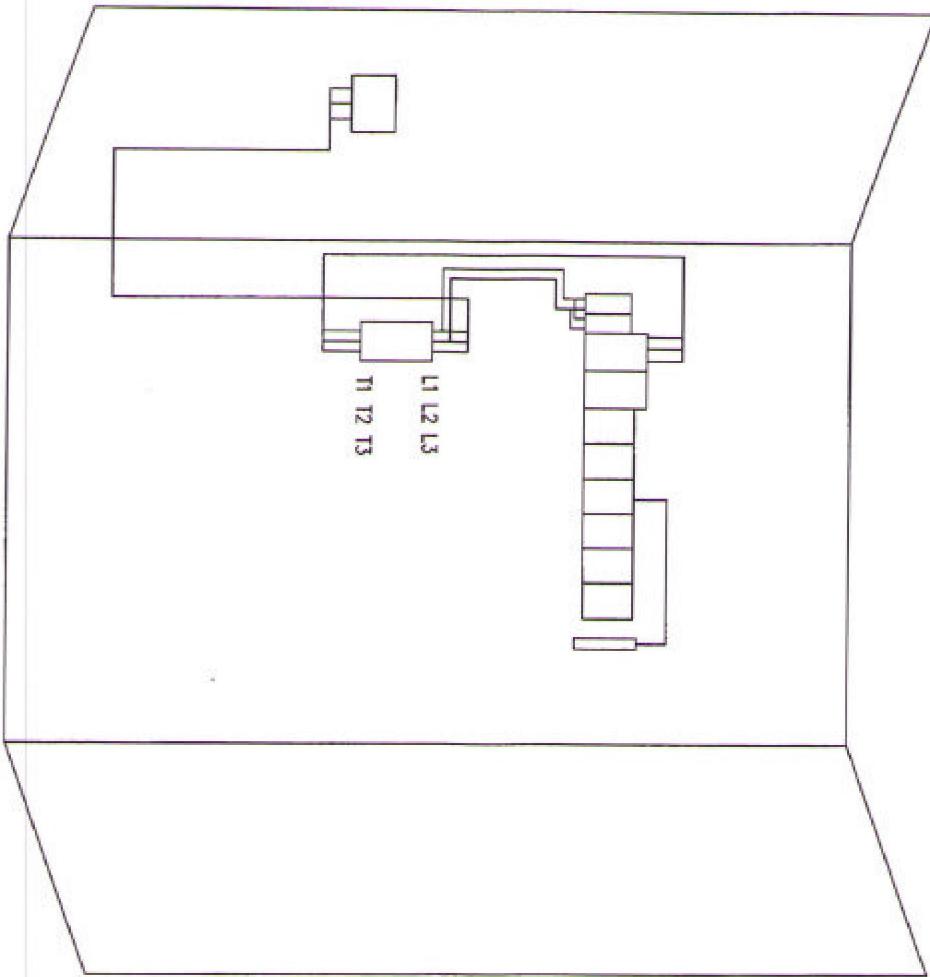
Manual Load Cartwisher

Electric Diagram 1.01

2-8-2006

PAGE 2 of 10

250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274



Move metering pump power
from 12F1 to 15Q1

Move power supply power
from 15Q1 to 12F1

Remove power input from the
right side of 12F5 and discard

Remove output wire from the
right side of 12F5 – Replace wire
with a white wire and reroute to "N"
It should now go from X1-24 to N

=====

Power routing

3 Wires
From power switch to top side of K-EMO (L1,2&3)

3 Wires
From bottom side of K-EMO to 601 (T1,2&3)

2 Wires
From 12F1 to top side of K-EMO (L1&3)

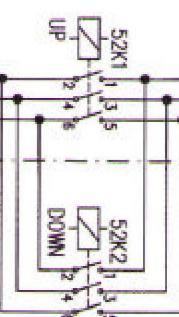
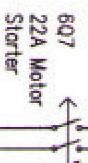
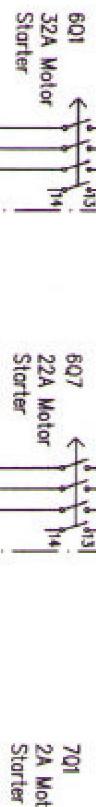
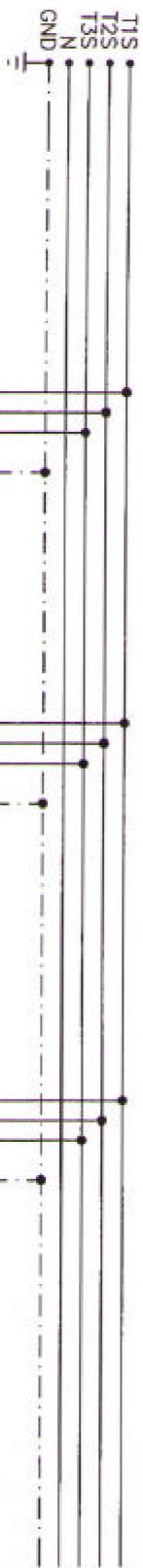
1 Wire
From 12F5 to top side of K-EMO (L2)

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INC. Miami, FL CS721 Manual Load Cartwasher

Electric Diagram 1.01 2-8-2006 PAGE 11 of 10

25 26 27 28 29 30 21 22 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49



X1
0 1 2 3
PE

X1
0 4 5 6
PE

X1
0 7 8 9
PE

M6M1

M6M1

M7M1

Circulation pump
8.6kW 208V 23.9A 5mm
Motor protection switch 32A

Return Pump
5.0kW 208V 21A 2.5mm
Motor protection switch 32A

Host Motor
0.25kW 208V 1.77A

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Miami, FL

CS721

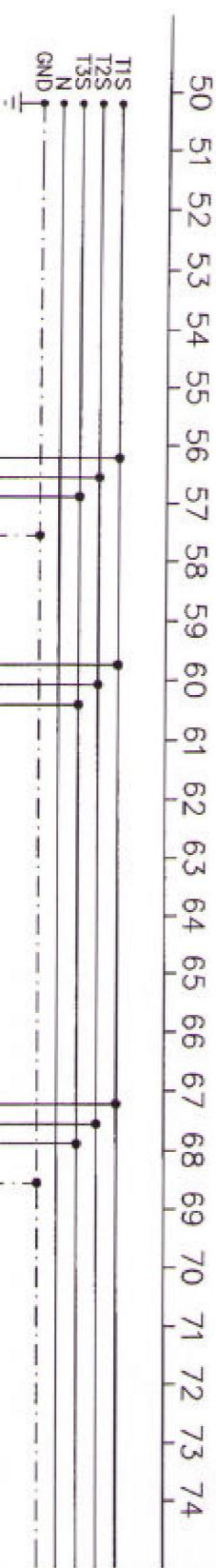
0 UNITS

Manual Load Cartwisher

Electric Diagram 1.01

2-8-2006

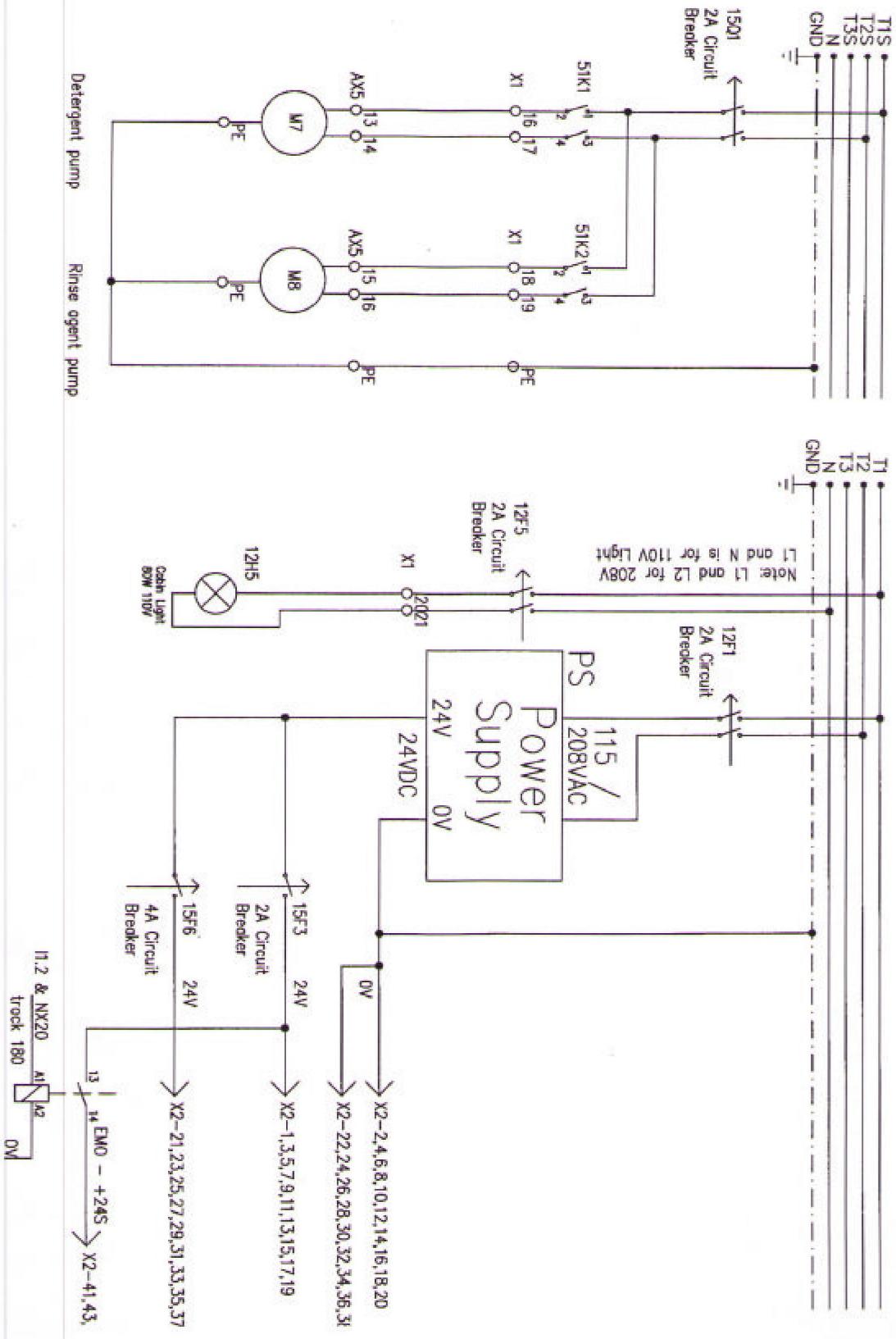
PAGE 2 of 10



Ventilator Fan - High
1.2kW 208V 5.50A
Low
0.35kW 208V 1.38A
Dryer Fan
1.2kW 208V 6A

BellMed INC. Miami, FL C5721 0 UNITS Electric Diagram 1.01 2-8-2006 PAGE 3 of 10

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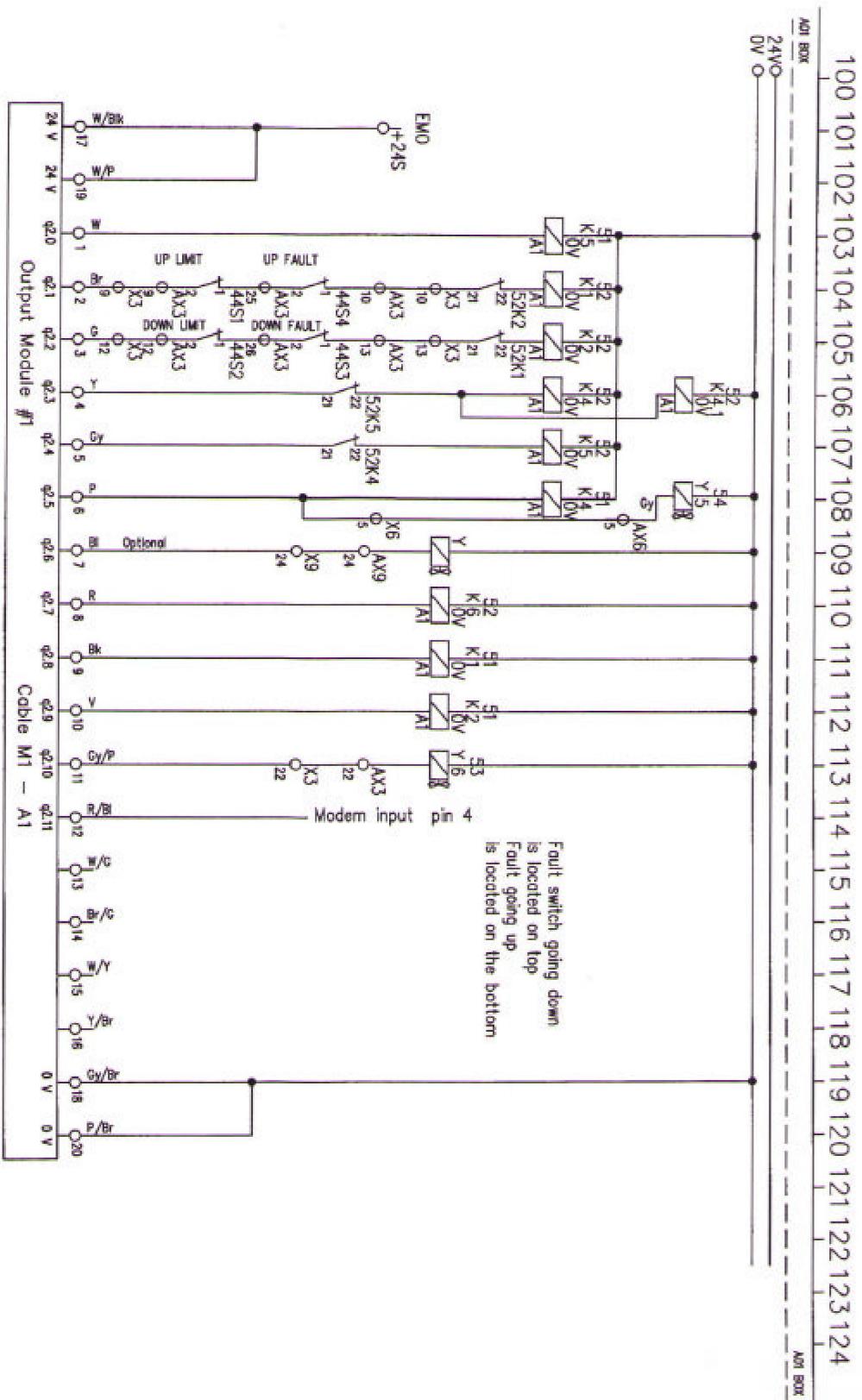
BellMed

INC. Miami, FL CS721 Manual Load Cartwisher

0 UNITS Electric Diagram 1.01

2-8-2006

PAGE 4 of 10



Fault switch going down
is located on top
Fault going up
is located on the bottom

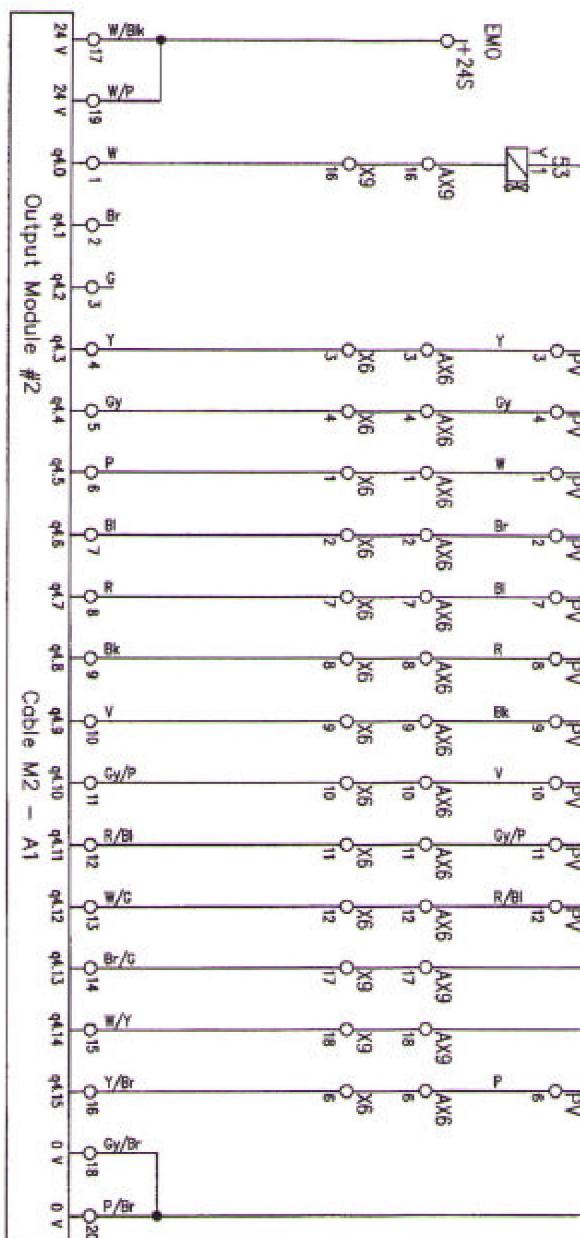
BellMed INC. Miami, FL CS21 Manual Load Cartwasher 0 UNITS Electric Diagram 1.01 2-8-2006 PAGE 5 of 10

125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149

24VDC
0V

Pilot valves - Left bank.

55Y4
55Y3
55Y2
55Y1
54Y8
54Y7
54Y6
54Y5
54Y4
54Y3
54Y2
54Y1



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INC. Miami, FL

CS21
0 UNITS

Manual Load Carwasher

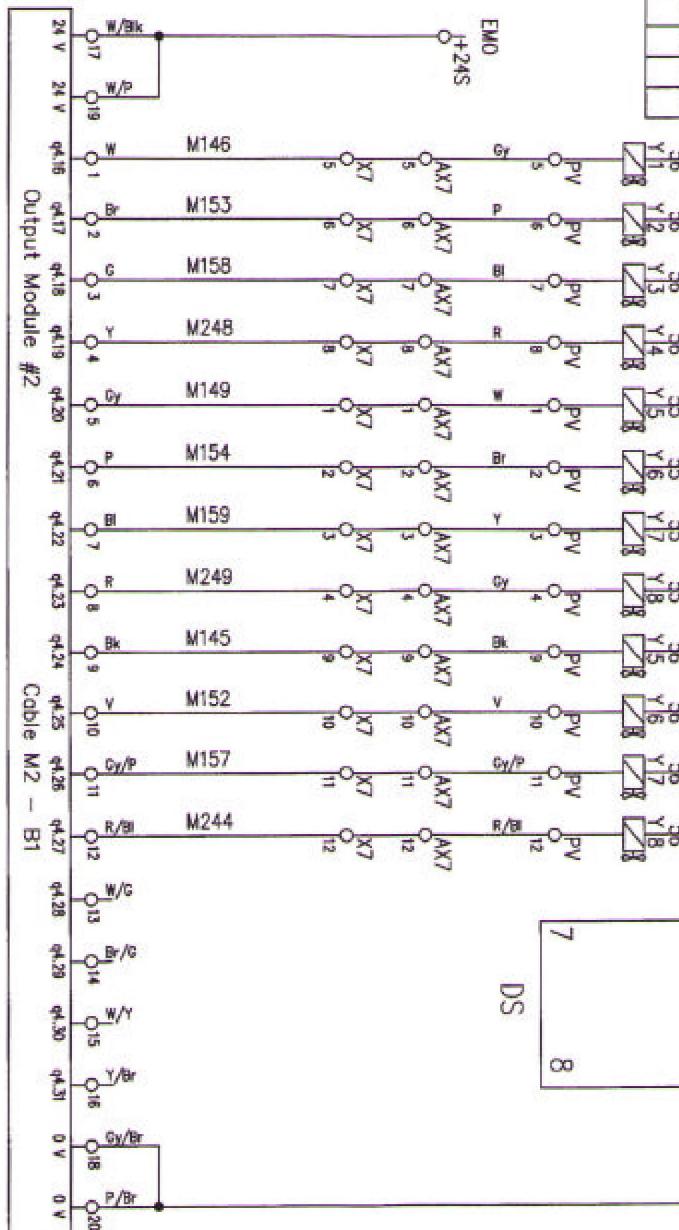
Electric Diagram 1.01
2-8-2006
PAGE 6 of 10

150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174

24VDC
DN
Pilot valves - Right bank

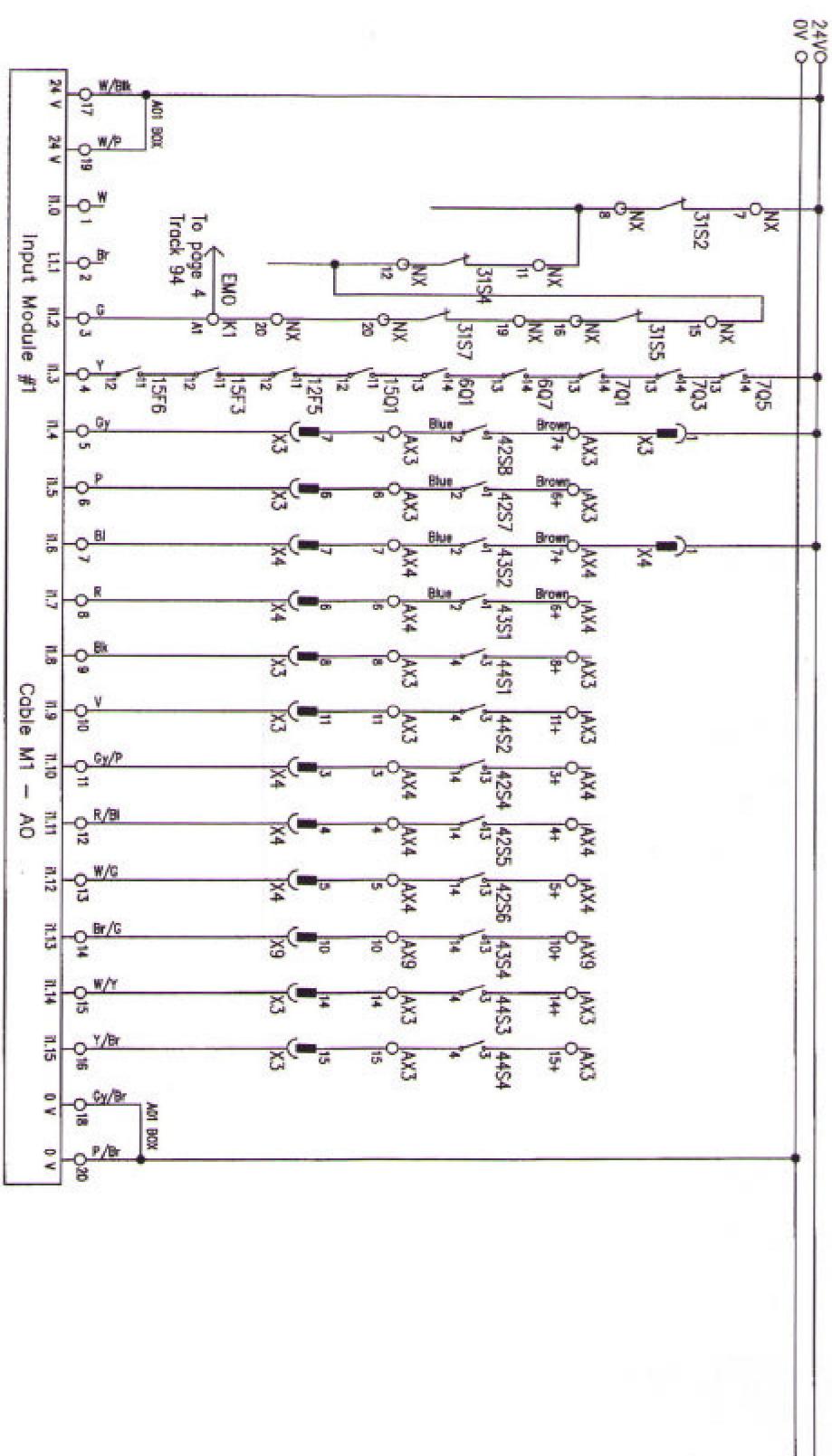
56Y8
56Y7
56Y6
56Y5
56Y4
56Y3
56Y2
56Y1
55Y8
55Y7
55Y6
55Y5

10
CS
9
7
DS
8



Lift Cylinder 7 Up
Lift Cylinder 8 Up
Lift Cylinder 9 Up
Lift Cylinder 10 Up
Lift Cylinder 7 Down
Lift Cylinder 8 Down
Lift Cylinder 9 Down
Lift Cylinder 10 Down
Lift Cylinder 7 Brake
Lift Cylinder 8 Brake
Lift Cylinder 9 Brake
Lift Cylinder 10 Brake
N/C Open
N/C Open
N/C Open
N/C Open

175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199



BellMed

INC. Miami

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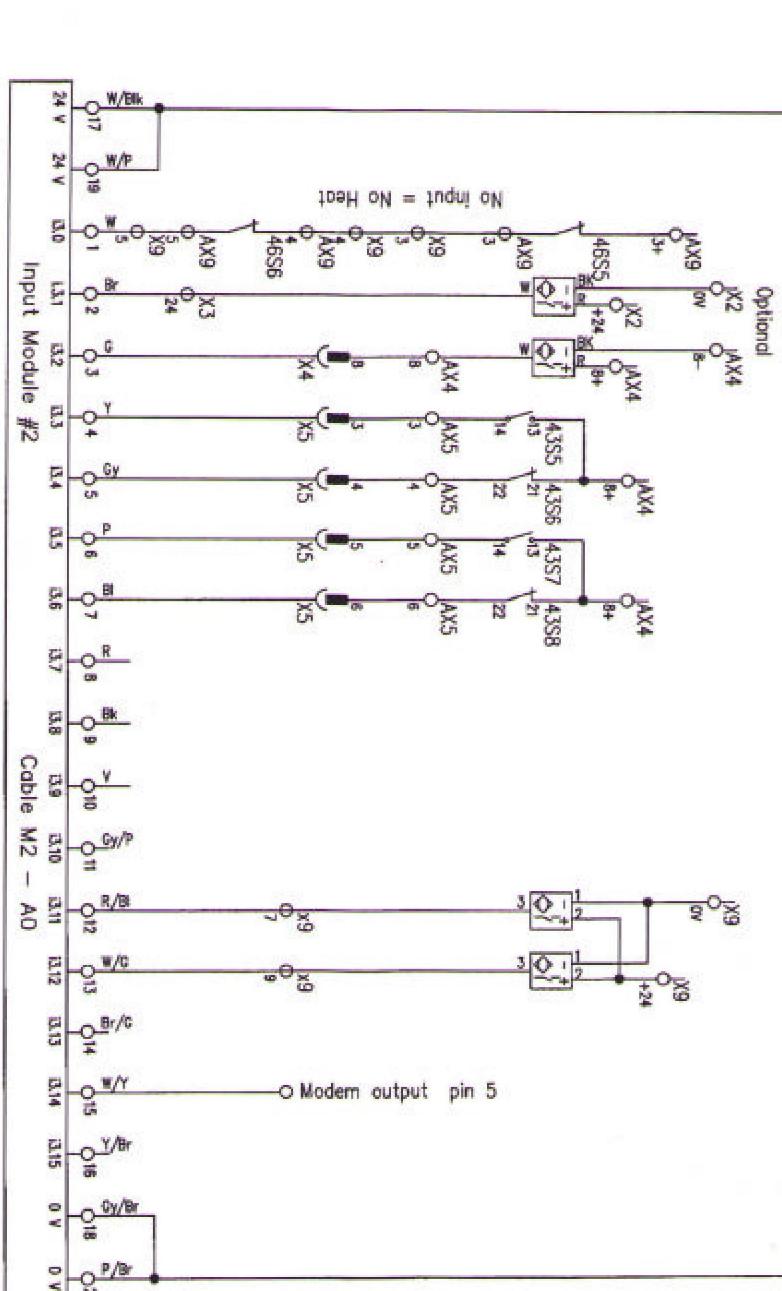
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CS721 0 UNITS
Manual Load Cartwasher

Electric Diagram 1.01

2-B-2006 PAGE 8 of 10

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INC. Miami, FL

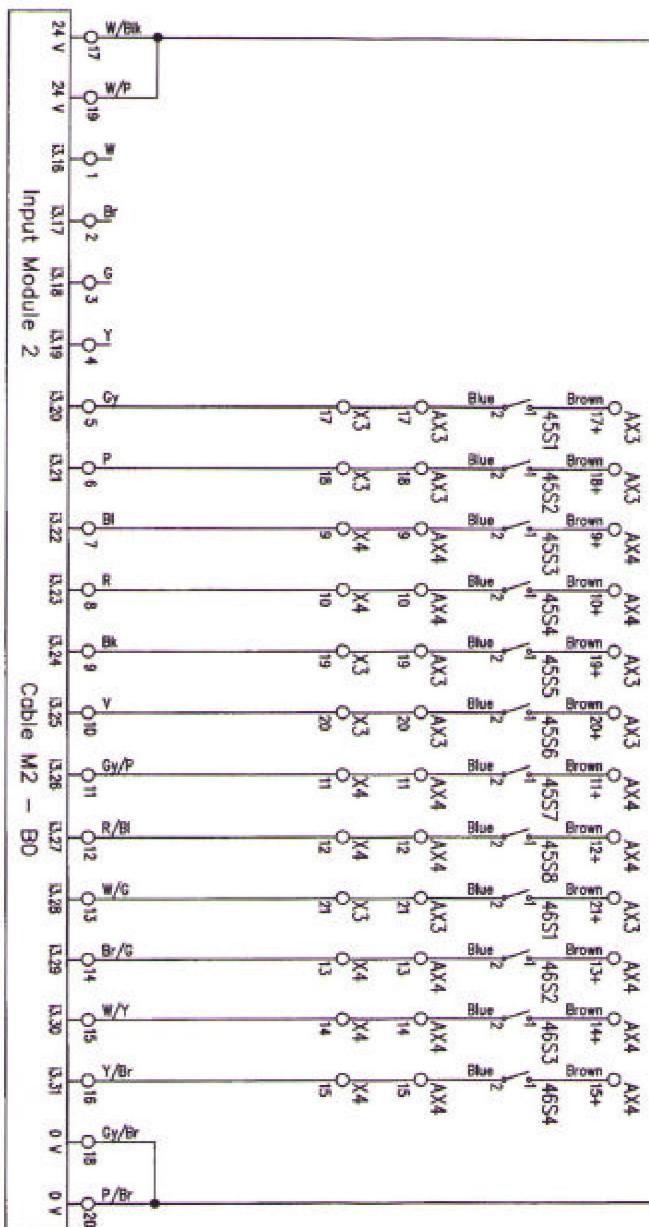
CS721 Manual Load Cartwasher

Electric Diagram 1.01 | 2-8-2006

PAGE 9 of 10

225226227228229230231232233234235236237238239240241242243244245246247248249

24V
0V



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INC. Miami, FL

CS721

0 UNITS

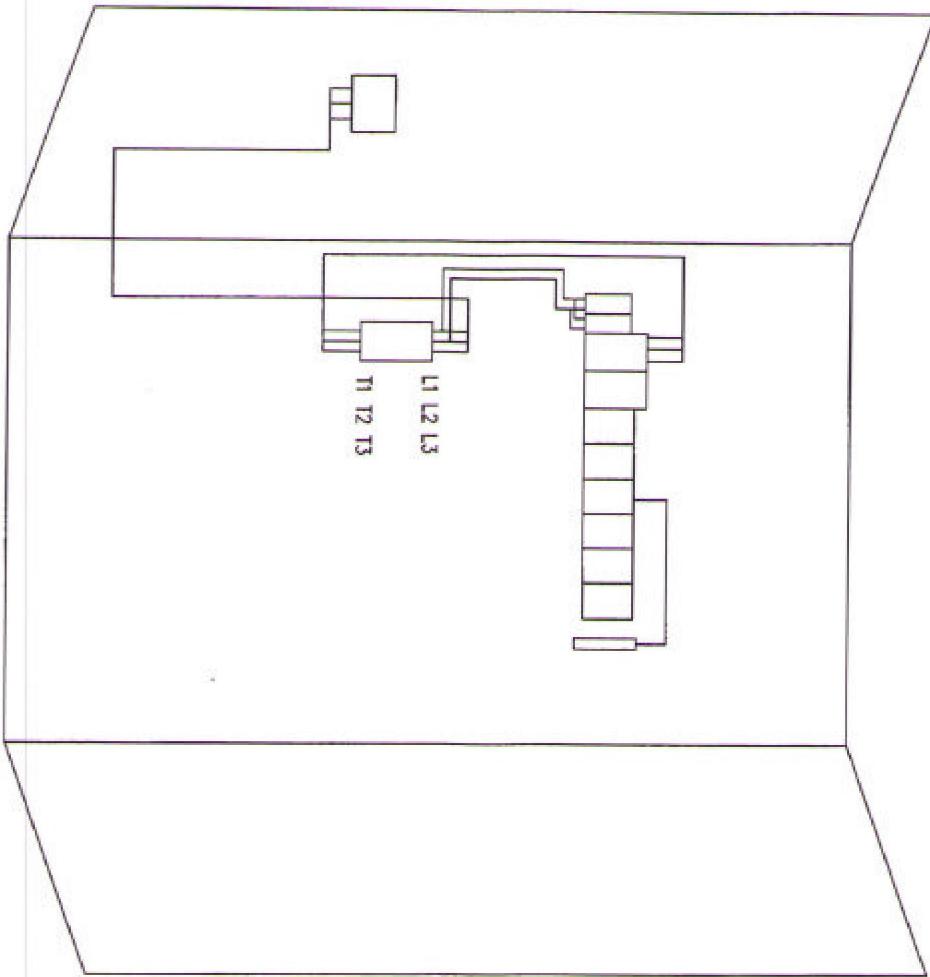
Manual Load Cartwasher

Electric Diagram 1.01

2-8-2006

PAGE 10 of 10

250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274



Move metering pump power
from 12F1 to 15Q1

Move power supply power
from 15Q1 to 12F1

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Power routing

3 Wires
From power switch to top side of K-EMO (L1,2&3)

3 Wires

From bottom side of K-EMO to 601 (T1,2&3)

2 Wires

From 12F1 to top side of K-EMO (L1&3)

1 Wire

From 12F5 to top side of K-EMO (L2)